

**CLAIMS**

1 1. An audio program distribution arrangement for use in connection with a server in a home area  
2 network, the audio program distribution arrangement being configured to distribute audio  
3 programming over a local audio link, the audio program distribution arrangement comprising:

- 4 A. an audio programming information receiver module configured to receive audio  
5 programming information from a plurality of sources;
- 6 B. an audio programming information assembler module configured to generate assembled  
7 audio programming information by selectively assembling said audio programming  
8 information as received by the audio programming information receiver module into a  
9 selected set of frequencies for transmission over the local audio link; and
- 10 C. a control module configured to control the audio programming information receiver module  
11 and the audio programming information assembler module.

12 2. An audio program distribution arrangement as defined in claim 1 in which the local audio link is  
13 a wireless audio link.

14 3. An audio program distribution arrangement as defined in claim 2 further comprising a broadcast  
15 arrangement configured to broadcasting the assembled audio programming information over the  
16 wireless audio link.

17 4. An audio program distribution arrangement as defined in claim 3 in which said broadcast  
18 arrangement comprises:

- 3 A. a base module configured to receive the assembled audio programming information from the  
4 audio programming information assembler module and transmit the assembled audio  
5 programming information over a second selected set of frequencies;
- 6 B. at least one remote module configured to receive the assembled audio programming  
7 information over the second selected set of frequencies and to convert the received  
8 assembled audio programming information to the first selected set of frequencies for  
9 broadcast over the wireless audio link.

1 5. An audio program distribution arrangement as defined in claim 4 in which the second selected set  
2 of frequencies is selected to be such that the base module can broadcast the assembled audio  
3 programming information thereover using a higher amount of power than is permitted over the first  
4 selected set of frequencies.

1 6. An audio program distribution arrangement as defined in claim 5 in which the first selected set  
2 of frequencies comprises the FM frequency band.

1 7. An audio program distribution arrangement as defined in claim 5 in which the second selected set  
2 of frequencies comprises an unlicensed frequency band in which personal broadcast is permitted.

1 8. An audio program distribution arrangement as defined in claim 7 in which the second selected set  
2 of frequencies comprises a frequency band proximate 900 MHZ.

1 9. An audio program distribution arrangement as defined in claim 4 in which the base module  
2 comprises:

- 3 A. a base signal generator configured to receive the assembled audio program information and  
4 modulate the received assembled audio program information onto the first set of frequencies;
- 5 B. a base mixer configured to receive the modulated assembled audio information generated by  
6 the first signal generator and modulate the modulated assembled audio information onto the  
7 second set of frequencies for broadcast to the at least one remote module.

1 10. An audio program distribution arrangement as defined in claim 9 in which the base module  
2 further comprises an amplifier configured to amplify the twice modulated assembled audio  
3 information generated by the base mixer prior to it being broadcast.

4 11. An audio program distribution arrangement as defined in claim 9 in which the base mixer is  
5 configured to periodically shift the second set of frequencies within a selected frequency band.

6 12. An audio program distribution arrangement as defined in claim 4 in which the at least one remote  
7 module comprises:

- 3 A. a remote receiver configured to receive the twice modulated assembled audio information  
4 broadcast on the first selected set of frequencies;
- 5 B. a remote mixer configured to receive the twice modulated assembled audio information  
6 received by the remote receiver and modulate the twice modulated assembled audio  
7 information onto the first set of frequencies for broadcast over the wireless audio link.

1 13. An audio program distribution arrangement as defined in claim 12 in which the remote module  
2 further comprises an amplifier configured to amplify the thrice modulated assembled audio  
3 information generated by the remote mixer prior to it being broadcast.

1 14. An audio program distribution arrangement as defined in claim 12 in which the remote mixer  
2 is configured to periodically shift the second set of frequencies within a selected frequency band.